Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/26/2018 11:13 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124311	-1	2.58	124428	2.59
Blue	F	SSC	125000	124104	-1	1.55	124733	1.57
Blue	E	FITC	15760	15344	-3	2.98	332	22.71
Blue	D	PE	25880	25197	-3	2.05	548	16.81
Blue	B	PerCP-Cy5-5	34075	33930	-1	4.16	1037	22.42
Blue	A	PE-Cy7	22776	22744	-1	7.35	548	46.24
Red	C	APC	42488	41509	-3	2.84	1572	13.26
Red	A	APC-Cy7	24478	24092	-2	3.09	824	13.18
Violet	B	V450	6304	6040	-5	4.27	370	16.61
Violet	A	V500	26005	24559	-6	3.80	584	13.55

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20323	11.24	607	10	N/A	N/A	Pass
Blue	F	SSC	56768	1.21	572	17	N/A	N/A	Pass
Blue	E	FITC	57	79.55	561	5	0.0163	301	Pass
Blue	D	PE	115	57.86	555	6	0.1308	317	Pass
Blue	B	PerCP-Cy5-5	196	56.53	654	7	0.0077	129	Pass
Blue	A	PE-Cy7	106	114.65	707	10	0.0087	24	Pass
Red	C	APC	373	28.13	601	1	0.0204	168	Pass
Red	A	APC-Cy7	203	28.95	572	1	0.0046	985	Pass
Violet	B	V450	66	70.81	490	1	0.0324	3236	Pass
Violet	A	V500	87	49.98	506	0	0.0129	1584	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.21	-30.61	0.99
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.41
Red	15.96	13.60 - 20.40	N/A	N/A	30.48	31.16	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9649

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments